|          | Index of Claims |  |          |   |           |          |           |          |          |                             |            |       |          |              | pplication/Control No. |                        |          |          |           |             |           |          |           |       | Applicant(s)/Patent under Reexamination |          |                 |          |           |          |          |               |           |               |           |   |   |   |
|----------|-----------------|--|----------|---|-----------|----------|-----------|----------|----------|-----------------------------|------------|-------|----------|--------------|------------------------|------------------------|----------|----------|-----------|-------------|-----------|----------|-----------|-------|---|----------|-----------------|----------|-----------|----------|----------|---------------|-----------|---------------|-----------|---|---|---|
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              | 10                     | 10/644,962<br>Examiner |          |          |           |             |           |          |           |       |   |          | MITCHELL ET AL. |          |           |          |          |               |           |               |           |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        | Amir Alavi             |          |          |           |             |           |          |           |       |   |          |                 |          |           |          |          |               |           |               |           |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          |           | 2624  |   |          |                 |          |           |          |          |               |           |               |           |   |   |   |
|          |                 | <b>4</b>   | Rejected |   |           |          |           |          | -        | (Through numer<br>Cancelled |            |       |          |              | era                    | ai)                    |          | N        | N         | Non-Elected |           |          |           | A     | Appeal                                  |          |                 |          |           |          |          |               |           |               |           |   |   |   |
|          |                 |  |          |   |           | wė       | a         |          |          | +                           | Restricted |       |          | 1            |                        |                        |          | 1        | In        | ter         | fere      | en       | се        |       | 0                                       |          | Ot              | je       | cte       | d<br>—   |          |               |           |               |           | , |   |   |
|          | Cla             | im_  |          | Date                                    |           |          |           |          |          |                             |            | Claim |          |              |                        | _                      | 2        | ate      | ite       |             |           |          |           | Claim |   |          |                 | Date     |           |          |          |               |           |               |           |   |   |   |
|          | Final           | Original   | 112/06   | 4107                                    |           |          |           |          |          |                             |            |       | Final    | Original     |                        |                        |          |          |           |             | Ì         |          |           |       | Final                                   | Original |                 |          |           |          |          |               |           |               |           |   |   |   |
|          |                 | ō  | + 12     | 1/8 11                                  | $\dashv$  | _        | $\dashv$  |          | Ц        |                             | Ц          | ļ     | _        | Ō            | $\dashv$               | _                      | 4        | 4        | _         | 4           | 4         | _        | $\dashv$  | -     | _                                       | <u> </u> | Н               | _        | 4         | 4        | -        | 4             | 4         | +             | 4         |   |   |   |
|          |                 | .2   | Ì        | 11                                      | ⇉         | ⇉        | $\exists$ |          |          |                             | H<br>H     |       |          | :            |                        | $\exists$              |          |          |           | $\exists$   |           |          | $\exists$ | ļ     |   |          |                 |          | $\dashv$  | 4        | #        | $\exists$     | #         | 1             |           |   |   |   |
| ŀ        |                 | 3  | H        | ======================================= |           | $\dashv$ |           | $\dashv$ |          |                             | $\exists$  | ŀ     |          |              |                        |                        |          |          |           |             |           |          |           | ŀ     |   |          |                 |          | $\exists$ | ╛        |          |               | 1         | $\pm$         | ╛         | • |   |   |
| ·        |                 | 5<br>6   |          | =                                       | $\dashv$  | $\dashv$ | $\dashv$  | $\Box$   |          |                             | $\Box$     |       |          |              |                        | $\dashv$               |          | $\dashv$ | $\dashv$  | -           | ᅱ         | $\dashv$ | $\dashv$  | ŀ     |   |          | Н               | -        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$      | +         | +             | $\dashv$  |   |   |   |
|          |                 | 7  |          | () ()                                   | $\exists$ | 寸        |           |          |          | _                           |            | l     |          |              |                        | ·                      |          |          | $\exists$ |             | $\exists$ |          |           | ļ     |   |          |                 |          |           |          |          |               | 1         | #             | ⇉         |   |   |   |
|          |                 | 8  |          | 11                                      |           |          |           |          | Н        |                             | Н          |       |          |              | $\dashv$               |                        | -        | -        | $\dashv$  | $\dashv$    | $\dashv$  | $\dashv$ | $\dashv$  | ŀ     |   | ·        | ┝               | $\dashv$ |           | $\dashv$ | $\dashv$ | -             | +         | +             | $\dashv$  |   |   |   |
|          |                 | 10   | П        | =                                       |           |          |           |          |          |                             |            | - 1   |          |              |                        |                        |          |          |           |             |           |          |           | İ     |   |          |                 |          | ゴ         |          |          |               |           |               |           |   |   |   |
|          |                 | 11   | Ш        | =                                       |           |          | $\exists$ |          |          |                             |            |       |          |              |                        | $\exists$              |          |          | _         | 4           | _         | $\dashv$ |           | ŀ     | _                                       |          | $\vdash$        | Н        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$      | $\dashv$  | +             | $\dashv$  |   |   |   |
| }        |                 | ( <u>12</u> )                                    | ╫        | 72                                      | $\dashv$  | ᅱ        | $\dashv$  |          | Н        | -                           | Н          |       |          |              |                        | -                      | -        | $\dashv$ | $\dashv$  | $\dashv$    | $\dashv$  | ┪        | $\exists$ | ŀ     |   |          |                 |          | $\exists$ | ╛        |          | $\exists$     | 士         | $\pm$         | ╛         |   |   |   |
|          |                 | 14   |          | 77                                      |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          |           | ļ     |   |          |                 |          | $\dashv$  | $\Box$   | 4        | $\Box$        | 4         | 7             | 7         |   |   |   |
| }        |                 | 15<br>16   | ╟        | 7                                       | $\dashv$  | -        | -         | Н        | Н        | _                           | Н          |       |          |              | $\dashv$               |                        | Н        | _        |           | $\dashv$    | $\dashv$  | $\dashv$ | H         | ŀ     |   |          | -               |          | $\dashv$  | ┥        | -        | +             | $\dashv$  | +             | $\dashv$  |   |   |   |
| <b> </b> |                 | 17   | H        | 777                                     |           |          |           |          |          |                             |            |       |          |              | ╛                      |                        |          |          |           | $\Box$      |           |          |           | İ     |   |          |                 |          | $\Box$    | $\Box$   | $\Box$   | $\Box$        | 7         | 1             |           |   |   |   |
|          |                 | 18   | $\prod$  | 1                                       |           |          |           |          |          |                             | $\square$  |       |          |              | $\dashv$               |                        | Н        | _        | _         | $\dashv$    | _         | $\dashv$ | H         | ŀ     |   |          | ┼—              | Н        | $\dashv$  |          | $\dashv$ | $\dashv$      | $\dashv$  | ╬             | $\dashv$  |   |   |   |
|          |                 | 19<br>20   | ╫        | 11 (1)                                  |           |          | $\dashv$  | Н        | Н        | ┝                           | Н          |       |          |              |                        | $\dashv$               |          | Н        | $\dashv$  |             |           |          | Н         | t     |   |          |                 |          |           |          |          |               |           |               | $\exists$ |   |   |   |
|          |                 | 21   |          | 11111                                   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          | $\Box$    | F     |   |          | $\vdash$        | П        |           |          |          |               | 4         | 4             | 4         |   |   |   |
|          |                 | 22<br>23   | ╫        | 711                                     |           | _        | $\dashv$  | Н        | $\vdash$ | <del> -</del>               | Н          |       |          | _            | $\dashv$               | -                      | Н        |          | $\dashv$  | -           | $\dashv$  | $\dashv$ | Н         | ŀ     | _                                       |          | +               | $\vdash$ | $\dashv$  | ┪        | 7        |               | +         | 十             | ┨         |   |   | : |
|          |                 | 24   | 士        | 7                                       |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           | $\Box$   | 口         |       |   |          |                 |          |           |          | $\Box$   |               | $\exists$ | 1             |           |   |   |   |
|          |                 | 25   | H,       | 7                                       | $\Box$    |          | $\perp$   | $\vdash$ | $\vdash$ | L                           | Н          |       |          |              | Н                      | Щ                      | Щ        |          | $\dashv$  | $\dashv$    |           |          | Н         | ŀ     |   |          | ╁               | ┝        | $\dashv$  |          | -        | -             | +         | +             | ┥         |   |   |   |
|          | _               | 26   | ×        | =                                       | Н         |          | $\dashv$  | Н        | -        | $\vdash$                    | H          |       |          |              |                        |                        | -        |          |           |             |           |          | Н         | t     |   |          | 士               |          |           |          |          |               | コ         | ユ             | ゴ         |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          | $\Box$    | Ţ     |   |          | 1-              | L        | $\dashv$  |          | $\dashv$ | -             | $\dashv$  | +             | 4         |   | • |   |
|          |                 | <del> </del>                                     | ┝        | -                                       | $\dashv$  | -        | Н         | -        | H        | $\vdash$                    | Н          |       |          |              | -                      | -                      | -        | _        | Н         | $\vdash$    | Н         | $\dashv$ | Н         | ł     |   | _        | ╁╌              | $\vdash$ | $\forall$ |          | $\dashv$ |               | 1         | 1             | $\exists$ |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          | $\Box$    |       |   |          | oxday           |          |           |          |          |               | $\Box$    | $\Box$        | 4         |   |   |   |
|          |                 |  | ┞        | -                                       | Н         | $\dashv$ | Н         | -        | <u> </u> | -                           | Н          |       |          | <u> </u>     | Н                      |                        | _        | Н        | Н         | Н           | $\dashv$  | $\dashv$ | Н         | ŀ     |   |          | ╁╌              | -        | $\dashv$  | $\dashv$ | -        | -             | ┪         | ╁             | ┥         |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          | 口         | İ     |   |          | 匚               |          |           |          |          |               | $\exists$ | 1             | コ         |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          | _            | Щ                      | _                      | L        |          |           | Н           | Н         | $\dashv$ | Н         | ŀ     |   |          | ╀               | -        | $\vdash$  | $\dashv$ | $\dashv$ | $\dashv$      | +         | +             | ᅱ         |   |   |   |
|          |                 |  | ┝        | -                                       | Н         | $\vdash$ | Н         | -        | -        | ┝                           | Н          |       |          |              | Н                      | -                      | _        |          | Н         | H           | Н         | Н        | Н         | ł     |   |          | 1               |          | $\Box$    |          |          |               | 士         | 士             | コ         |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           |          | $\Box$    | [     |   |          | 1               |          | $\dashv$  | _        |          |               | 4         |               | 4         |   |   |   |
|          |                 | <u> </u>   | ┞        | -                                       | Н         | Н        | Н         |          | ┝        | ┝                           | $\vdash$   |       |          |              | Н                      | Н                      | -        |          | Н         | Н           | Н         | Н        | Н         | ŀ     |   |          | +-              | $\vdash$ | $\dashv$  | $\dashv$ | $\dashv$ | $\overline{}$ | ᆉ         | ╅             | ┨         |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             | 口         |          |           | į     |   |          |                 |          |           |          |          |               | $\exists$ | 1             | $\exists$ |   |   |   |
|          |                 |  | F        |   |           | Щ        | Щ         |          | <u> </u> | <u> </u>                    | ${f H}$    |       | <u> </u> | <u> </u>     | Н                      | H                      | _        | $\vdash$ | Н         | Н           | Н         | Н        | Н         | ŀ     |   |          | +               | -        | $\dashv$  | -        | Н        | Н             | $\dashv$  | +             | $\dashv$  |   |   |   |
|          | _               | -  | $\vdash$ | -                                       | Н         | Н        | Н         |          | -        | -                           | Н          |       |          |              | Н                      |                        |          |          |           | $\exists$   | H         |          | $\Box$    | ł     |   |          |                 |          | 口         |          |          |               | コ         | ightharpoonup |           |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           | П           | П         | Щ        | $\Box$    | ſ     |   |          | 1               | -        | Н         | $\dashv$ | Н        | Н             | $\dashv$  | +             | $\dashv$  |   |   |   |
|          |                 | <del>                                     </del> | -        | $\vdash$                                | Н         | Н        | Н         | -        | $\vdash$ | $\vdash$                    | Н          |       |          | $\vdash$     | H                      | $\vdash$               | ┝        | $\vdash$ | $\vdash$  | Н           | H         | Н        | Н         | ł     |   | $\vdash$ | 1               |          | 버         |          |          |               | _         | 士             | $\exists$ |   |   |   |
|          |                 |  |          |   |           |          |           |          |          |                             |            |       |          |              |                        |                        |          |          |           |             |           | П        | 口         |       |   |          | Ţ               | 匚        |           | $\Box$   | П        | П             | $\dashv$  | 4             | $\exists$ |   |   |   |
|          |                 |  | -        | -                                       | Н         |          | H         | $\vdash$ | -        | ├                           | $\vdash$   |       |          | <del> </del> | Н                      | H                      | $\vdash$ | $\vdash$ | Н         | Н           | Н         | Н        | Н         | -     | _                                       |          | +               | $\vdash$ | $\vdash$  | -        | Н        | Н             | $\dashv$  | +             | $\dashv$  |   |   |   |
| ļ        | <u> </u>        | <b></b>  |          |   | لب        | لــــا   |           |          |          | <u>—</u>                    | ш          | '     | ш        | ·            |                        | ·                      | ٠        | <b>-</b> | _         |             | لـــا     |          |           | 1     | 1                                       |          |                 |          |           |          |          |               |           |               | _         |   |   |   |